

Enrichmentors

Growing through Excellence over 40 years to become Best in Management



### Purpose

The purpose of the section is to give you an overview of how to become a Successful Artificial Intelligence (AI) Engineer

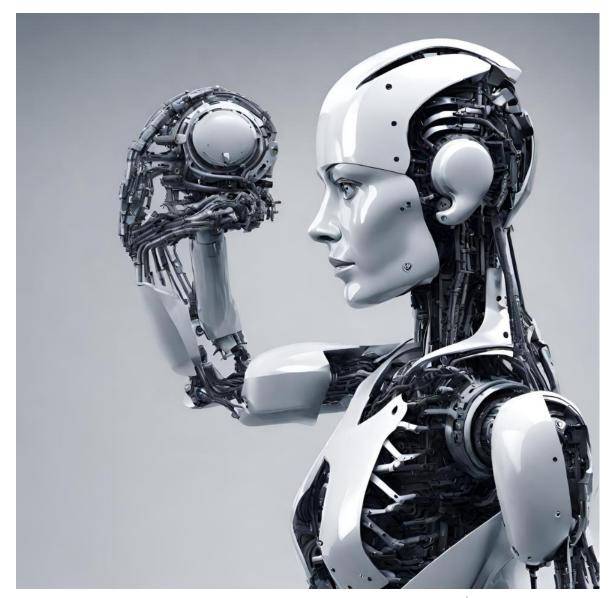
At the end of this lecture, you will learn the following

What is Artificial Intelligence and career opportunities in this field





### What is Artificial Intelligence?





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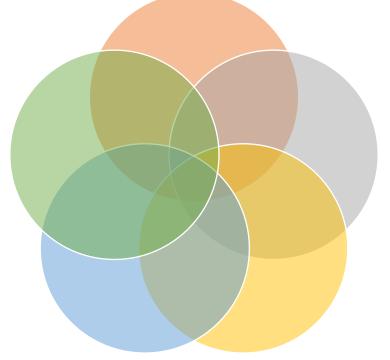


# What is Artificial Intelligence?

Understanding natural language

Solving problems

Learning from experience



Recognizing patterns

Making decisions





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## What is Artificial Intelligence?

Machine learning

Deep learning

Natural language processing

Computer vision

Robotics

And More...



## What is Machine Learning?

Development of algorithms and statistical models

Enable computers to learn from and make predictions or decisions based on data, without being explicitly programmed to do so





# What is Deep Learning?

#### **Artificial Intelligence:**

Mimicking the intelligence or behavioural pattern of humans or any other living entity.

#### **Machine Learning:**

A technique by which a computer can "learn" from data, without using a complex set of different rules. This approach is mainly based on training a model from datasets.

#### **Deep Learning:**

A technique to perform machine learning inspired by our brain's own network of neurons.

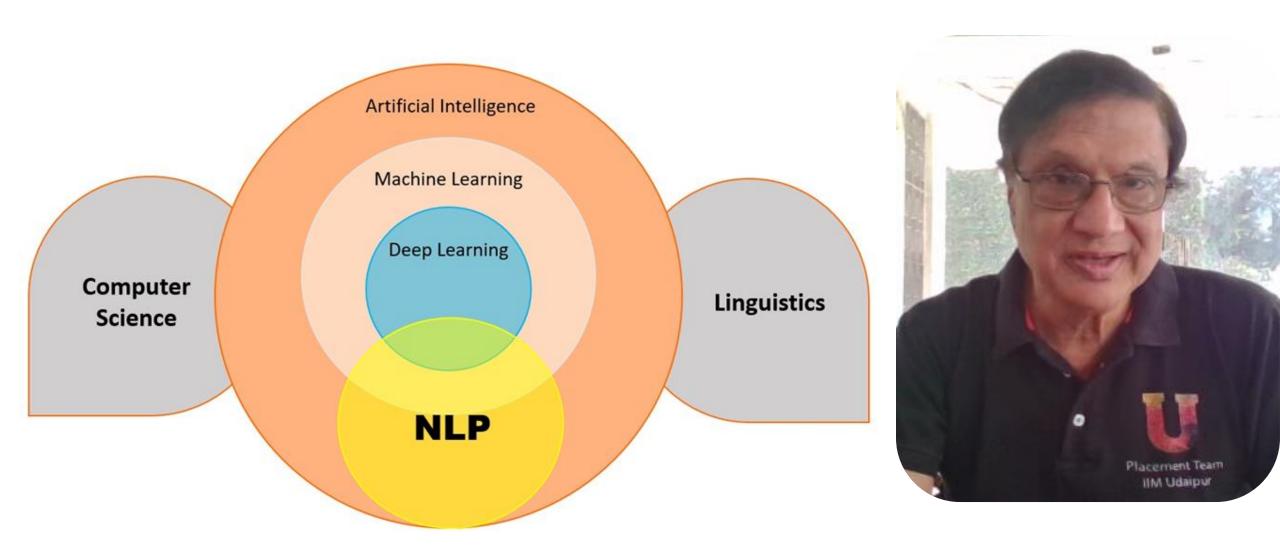








# What is Natural Language Processing?





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# What is Computer Vision?

#### **How Computer Vision Works**



#### Acquiring the image

Images, even large sets, can be acquired in real time through video, photos or 3D technology for analysis.



#### Analyzing the image

Deep learning models automate much of this process, but the models are often trained by first being fed thousands of labeled or pre-identified images.



Applying the insights
The final step is the interpretive step, where the deep learning model is deployed to score new image or video feed.









### What is Robotics?





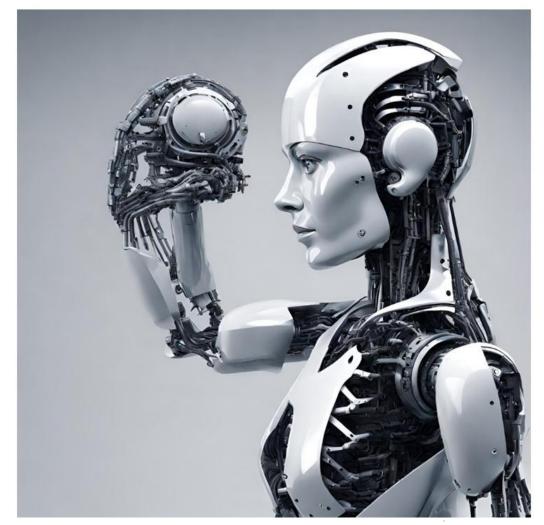
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### What is next?

#### What are the career opportunities in Artificial Intelligence?





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